

TOP SECRETP 181824Z
FM NPICOUT 66416
25X1

18 Nov 68 19 05z

AFSSO PACAF
AFSSO ACIC
AFSSO FTD
AFSSO USAF
CNO
OPCEN
FICEUR

ZEM

~~TOP SECRET TTTT~~

CITE NPIC 5062

SSO SAC ALSO FOR 544 ARTW.

SUBJECT: CAMERA INFORMATION FOR MISSION 1105-1.

1. THE MISSION UTILIZED TWO PAN CAMERAS, AND FOUR HORIZONTAL CAMERAS. NO INDEX CAMERA AND NO STELLAR CAMERAS WERE USED.

2. CAMERA DATA

A. MAIN UNITS

FOCAL LENGTHS (MM)

PAN CAMERAS	PORT HORIZON	STAR HORIZON
FWD 609.663	FWD 55.047	FWD 54.904
AFT 609.727	AFT 54.821	AFT 54.923

FILTERS

PAN FWD	PRIMARY	W/25
	ALTERNATE	W/23A
PAN AFT	PRIMARY	W/21
	ALTERNATE	W/2E

PLUS CC2C PLUS 0.4ND. (COLOR CORRECTIONS PLUS NEUTRAL DENSITY)

FWD STAR HOR.	W/25
FWD PORT HOR.	W/25
AFT STAR HOR.	W/25
AFT PORT HOR.	W/25

APERTURE

STAR HOR.	F/8.0
PORT HOR.	F/6.3

SLIT WIDTH (IN)

POSITIONS

	1	2	3	4	FAILSAFE
FWD	.180	.229	.310	.340	.305
AFT	.138	.149	.192	.271	.198

EXPOSURE (SEC)

FILM	STAR HOR. 1/1000	PORT PORT HOR 1/1000
	FWD SO-380	AFT SO-380, 3404, SO-121

DYNAMIC RESOLUTION (L/MM)

FWD HIGH CONTRAST	255
FWD LOW CONTRAST	173
AFT HIGH CONTRAST	219
AFT LOW CONTRAST	132

UNIT NUMBER

FWD	311	AFT	310
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B. DISIC UNIT

NONE

3. LENS DISTORTION (PIN CUSHION) (MM)

A. MAIN UNITS

	3	2	1	0	359	358	357
FWD	.004	.001	0	0	0	.001	.002
AFT	.003	.001	0	0	0	.002	.004

DISTRIBUTION	
CY	OFFICE
FILE	25X1
CABLE SEC.	
PP&B/RD	
SECUR.	
TSSG	
PSG/CC	
NRD	
REPRO	
AID	4
LEG	
PROD	
SCEN	
WEST	
EAST	
IONS	
PCM	
EAS	
DIA-XX4	
SPAD	
DIA-AP	
CMK	25X1

ADVANCE CY
SANITIZED
WITH TEXT**TOP SECRET**Group 1
Excluded from automatic
downgrading and
declassification

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B. HORIZON CAMERAS

	PORT	FWD	STAR	PORT	AFT	STAR
RADIAL 10 DEGREES	.01		.005	.01		.015
20 DEGREES	.05		.04	.03		.05
TANGENTIAL	.02		.03	.025		.024

4. CAMERA ANGLES

A. ANGLE BETWEEN PAN CAMERAS 30 DEG 20 MIN 31.21 SEC

B. DEPRESSION ANGLES BETWEEN HORIZON AND PAN CAMERAS

FWD PORT 15 DEG 04 MIN 07.67 SEC

FWD STAR 14 DEG 59 MIN 25.21 SEC

AFT PORT 15 DEG 22 MIN 20.96 SEC

AFT STAR 12 DEG 58 MIN 59.69 SEC

5. TIMING MARKS

FREQUENTLY MARKS WILL APPEAR ON THE FILM AT A RATE OF 200 CYCLES PER SECOND.

6. IMAGE MOTION COMPENSATION DATA

PASSES	REF LEVEL	AMP LEVEL
1D, 32D, 36D, 127D	6	16
5D THRU 25D, 106D THRU 118D	5	16
38D THRU 105D, 119D THRU 123D	6	15

FOR ALL PASSES PRIMARY PERIOD 3517 SEC, SECONDARY PERIOD 2621, SECONDARY RAMP FACTOR .049750.

7. PROGRAM TIME DATA

PASS	DAY	HR	MIN	SEC	PROGRAM ON TIME (ZULU TIME)	UP RAMP	PROGRAM DURATION
1D	03	22	58	03		1351	27
5D	04	04	56	55		1564	58
6D	04	06	27	32		1667	61
7D1	04	07	55	52		1640	141
7D2	04	07	59	02		1830	50
8D	04	09	23	19		1558	202
9AE	04	10	29	57		226	26
9D	04	10	55	19		1748	60
16D	04	21	17	46		1747	33
21D	05	04	37	14		1526	61
22D	05	06	10	16		1783	96
23D1	05	07	31	20		1323	43
23D2	05	07	33	35		1458	86
23D3	05	07	37	08		1671	82
23D4	05	07	40	35		1877	60
25D1	05	10	33	44		1618	85
25D2	05	10	36	29		1784	107
32D	05	20	57	53		1771	34
36D	06	02	45	15		1350	44
38D	06	05	48	26		1651	247
39D	06	07	14	14		1475	439
40D	06	08	45	21		1616	37
41D1	06	10	12	57		1546	86
41D2	06	10	15	54		1723	173
42D	06	11	51	07		2110	94
48D	06	20	38	12		1739	97
51D	07	00	57	33		1346	69
52D	07	02	25	41		1313	52
53D	07	03	56	19		1427	267
54D1	07	05	23	28		1336	140
54D2	07	05	29	14		1683	327
55D	07	06	55	42		1550	75
57D1	07	09	51	16		1381	45
57D2	07	09	54	15		1560	168
58D	07	11	29	36		1953	227
64D	07	20	20	19		1834	23

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69D1	08	03	36	36	1397	43
69D2	08	03	39	35	1575	129
70D1	08	05	06	05	1443	23
70D2	08	05	08	12	1569	65
70D3	08	05	13	08	1865	151
71D	08	06	37	42	1617	314
72D	08	08	08	12	1725	29
73D	08	09	33	22	1510	66
74D	08	11	10	33	1969	254
75D	08	12	38	36	1933	56
80D1	08	19	57	52	1686	30
80D2	08	19	58	51	1746	30
83D	09	00	19	20	1365	34
85D	09	03	17	41	1409	140
86D1	09	04	48	38	1540	45
86D2	09	04	50	49	1671	301
88D	09	07	47	31	1623	39
89D	09	09	15	31	1576	54
90D	09	10	48	51	1852	114
95D	09	18	13	27	1910	52
101D	10	02	56	14	1312	32
102D	10	04	29	05	1558	264
103D	10	06	01	39	1787	96
104D	10	07	27	42	1635	41
105D1	10	08	33	45	277	24
105D2	10	08	56	45	1657	48
106D	10	10	28	53	1863	341
115D	10	23	39	51	1354	30
116D	11	01	08	57	1373	60
117D	11	02	39	52	1501	72
118D	11	04	09	05	1529	243
119D	11	05	39	33	1634	181
120D1	11	07	05	00	1435	127
120D2	11	07	09	15	1690	90
121AE	11	08	14	49	299	24
122D	11	10	09	16	1843	278
123D	11	11	54	45	2851	36
127D	11	17	49	51	2868	84

8. TIME CORRELATION (MILLISECONDS)

PASS	CLOCK TIME	SYSTEM TIME	DIFFERENCE
9	419613.909	37585.8373	-----
16	458862.676	76834.6058	.002
25	504825.221	36397.1524	.003
32	7117.665	75560.5096	.002
41	53145.093	35187.9390	.001
48	92416.647	74459.4940	.001
56	138391.904	34034.7522	.001
64	177653.329	73296.1781	.001
73	223666.609	32909.4590	.001
80	262754.066	71996.9166	.001
89	308911.786	31754.6373	.001
97	353469.203	76312.0549	.001
105	394181.120	30623.9723	.000
113	438405.711	74848.5636	.000
121	479455.988	29498.8409	.000
129	523989.922	74032.7750	.000

NOTE: ALL "DIFFERENCE" VALUES ARE MINUS.

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T O P S E C R E T

END OF MESSAGE